RH-F-22
1/99

Virginia Department of Health
Radiological Health
GENERAL RADIOGRAPHIC SYSTEMS

TUBE REGISTRATION #_____

Registrant Name _____
Surveyor Name _____
Surveyor Signature_____
Survey Date _____

Machine:
Make _____ Purpose_____
Model _____ Serial _____
Max, kVp _____ Max mA _____
Room # _____ Phase: ___1 ____3

OK N/A N/S S

__ __ __ __ 1. Warning label not present (12 VAC 5-481-1600A). **NON-SERIOUS**

__ __ __ __ 2. HVL at _____ kVp is _____ mm A1. Minimum is _____ mm A1 (12 VAC 5-481-1600E). Deficiency of ≤ 0.2 mm **NON-SERIOUS,** deficiency of > 0.2 mm **SERIOUS**

__ __ __ __ 3. The length ___ width ___ misalignment between the X-ray and visual fields is ___% of the SID (12 VAC 5-481-1620 A2) > 2% to < 5% **NON-SERIOUS,** ≥ 5% **SERIOUS**

__ __ __ __ 4. Misalignment between center of X-ray field and center of image receptor is ____% of the SID (12 VAC 5-481-1620 A2) SID (12 VAC 5-481-1620 A2). > 2% to < 5% **NON-SERIOUS,** ≥ 5% **SERIOUS**

__ __ __ __ 5. SID not indicated to within 2% of SID (12 VAC 5-481-1620 A2). **NON-SERIOUS**

__ __ __ ___ 6. The length ___width___diminsions of the X-ray field not indicated to within 2% of the SID (12 VAC 5-481-1620 A2). **NON-SERIOUS**

__ __ __ __ 7. The length ___width - of the X-ray field exceeds that of the image receptor by ___% of the SID (special purpose system only, 12 VAC 5-481-1620 A3). > 2% to < 5% **NON-SERIOUS**, ≥ 5% **SERIOUS**

__ __ __ __ 8. Radiographic control does not require constant operator pressure or does not terminate the exposure properly (12 VAC 5-481-1620 B1, 2, 3) **SERIOUS**

__ __ __ __ 9. Radiographic control switch not permanently located in an appropriate protected area or on a stretch cord of sufficient length as required (12 VAC 5-481-1620 6A & B). **SERIOUS**

__ __ __ __ 10. X-ray control not equipped with both visual and audible indication of X-ray production (12 VAC 5-481-1620 B2). **SERIOUS**

__ __ __ __ 11. Timer reproducibility: coefficient of variation is ___% at a technique setting of _____ (12 VAC 5-481-1620D). >10% to < 15% **NON-SERIOUS,** ≥ 15% **SERIOUS**

__ __ __ __ 12. Exposure reproducibility: coefficient of variation is ____% at a technique setting of _____ (12 VAC 5-481-1620D). >10% to < 15% **NON-SERIOUS**, ≥ 15% **SERIOUS**

__ __ __ __ 13. Timer accuracy is ± ____% of the indicated time at ____ sec. (12 VAC 5-481-1620F). > 10% to < 15% **NON-SERIOUS**, ≥ 15% **SERIOUS**

__ __ __ __ 14. Standby radiation exposure is more than 2 mR/hr **(**capacitor discharge systems only, (12 VAC 5-481-1620E)**)**. **SERIOUS**

__ __ __ __ 15. mA Linearity: mR/mAs values at ___mA and ___mA differ by more differ by more than 10% of their sum (12 VAC 5-481-1620 G). **NON-SERIOUS**

__ __ __ __ 16. Positive beam limitation, if present, does not operate properly (12 VAC 5-481-1620H2). **NON-SERIOUS**

__ __ __ __ 17. Light field illiminance is _____ft. candles. Must be no less than 10 ft. candles at 100 centimeters or at the max. SID whichever is less (12 VAC 5-481-1620H2). **NON-SERIOUS**

__ __ __ __ 18. kVp accuracy is ± ___% of indicated kVp at ___ kVp (12 VAC 5-481-1620F). > 10% to < 15% **NON-SERIOUS,** ≥ 15% **SERIOUS**

__ __ __ ___ 19. Exposure data: projection:_____ technique factors: ____ kVp ____ mA ____ MS ____ inches SID. Exposure results:_____mR.

__ __ __ __ 20. Other / Remarks: _____